

**Delaware Electric Cooperative**  
**Generator Interconnection Application – Short Form**  
(For Use with Generators less than 100 kW DC)

An applicant (Generator Owner) makes application to Delaware Electric Cooperative to install and operate a generating facility less than 100 kW DC and interconnected with the Delaware Electric Cooperative utility system.

**Section 1, Applicant Information Directly Interconnected to the Generating System**

Is the following system: ☐ Leased or ☒ Member Owned

Type of Application: ☒ Initial or ☐ Addition/Upgrade

Name: David O Hastings

Mailing Address: P.O. Box 418

City: Rehoboth Beach State: DE ZipCode: 19971

Email Address: davidohastings@gmail.com

Facility Location (if different from above): 20331 John J Williams Hwy

Telephone: Area Code 302 Number 227-1197 (Evening) Area Code 302 Number 249-1600

Delaware Electric Cooperative Account No.: 4811003 Rate Code: 1E1

**Section 2, Equipment Contractor**

Name: Alutech United Inc

Mailing Address: 117 Dixon St

City: Selbyville State: DE ZipCode: 19975

Email Address: Haleigh@greenstreetsolar.com Telephone (Daytime): Area Code 800 Number 233-1144

**Section 3, General Service Requirements**

If different from the existing service, what size service will the generation facility require?

☐ 200A ☐ 400A ☐ 600A ☐ 800A

If this is a new account for a Solar System, what Voltage/Phase will be required?

☐ 120/240V-1Ph ☐ 120/208V-1Ph ☐ 120/208V-3Ph ☐ 277/480V-3Ph

**Section 4, Application Fee**

This application fee is applicable for all new PV applications received on or after May 20, 2016. The cost will be \$50.00 per application (new and/or upgrade) for systems 25 kW DC or less. For systems over 25 kW DC the fee will be \$50.00 plus \$1.00 kW DC over 25 kW DC. All interconnection applications submitted to DEC shall be accompanied with the appropriate fee made out to Delaware Electric Cooperative and are non-refundable. No applications will be considered without the fee.

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**Section 5, Generator Type**

Is Generator powered from a Renewable Energy Source: ☒ Yes      No ☐

Type of Energy Source (if applicable): ☒ Solar      ☐ Wind      ☐ Other \_\_\_\_\_

Other generator energy source: ☐ Diesel      ☐ Natural Gas      ☐ Fuel Oil      Other: \_\_\_\_\_

Will excess power be exported to Delaware Electric Cooperative? ☒ Yes      No ☐

(Typical) Maximum Export: 10 kW DC/AC

2 Yr. Avg. Annual Usage (kWh): 22,220      Forecast Annual kWh: \_\_\_\_\_

(Note: The Annual Forecast MUST be completed using 4.5 peak sun light hours per days)

**Section 5, Generator Technical Information**

Please fill out the Initial Rating information if there is currently no generating facility on-site. If adding a generating facility to an existing facility, fill out the Initial Rating Information, the Added Rating Information and the Total Rating Information

Generator (or solar collector) Manufacturer, Model Name & Number: Q Cells Q.PEAK DUO-G5 310  
(A copy of Generator Nameplate and Manufacturer's Specification Sheet may be substituted)

Inverter Manufacturer, Model Name & Number (if used): Fronius PRIMO 11.4  
(A copy of Inverter Nameplate and Manufacturer's Specification Sheet may be substituted)

**Initial Rating:**  
DC System Design Capacity: 15.12 (kW) 15,120 (kVA)  
Inverter Capacity: 11.4 (Maximum AC kW)  
AC System Design Capacity: 11.4 (kW) 11,400 (kVA)

**Added Rating:**  
DC System Design Capacity: \_\_\_\_\_ (kW) \_\_\_\_\_ (kVA)  
Inverter Capacity: \_\_\_\_\_ (Maximum AC kW)  
AC System Design Capacity: \_\_\_\_\_ (kW) \_\_\_\_\_ (kVA)

**Total Rating (Existing and New):**  
DC System Design Capacity: \_\_\_\_\_ (kW) \_\_\_\_\_ (kVA)  
Inverter Capacity: \_\_\_\_\_ (Maximum AC kW)  
AC System Design Capacity: \_\_\_\_\_ (kW) \_\_\_\_\_ (kVA)

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**Generator Disconnect Switch:**

A lockable disconnect device shall be installed within 3 feet of the DEC meter and accessible at all times by DEC personnel, by and at the cost of the owner.

**Section 6, Generator/Equipment Certification**

Generating systems that utilize inverter technology must be compliant with *IEEE 929* and *Underwriters Lab. UL 1741*. Generating systems that use a rotating machine must be compliant with Delaware Electric Co-op's *Technical Requirements For Parallel Operation of Member Owned Generation* document. **By signing below, the Applicant certifies that the installed generating equipment meets the appropriate preceding requirement(s) and can supply documentation that confirms compliance.**

Name (print): David Hastings Date: 5/30/18

Signed (Applicant): 

**Section 7, Aggregated Meter Information (If Applicable)**

The following aggregated accounts shall be ranked according to the order in which credits shall be applied (We don't apply the credit; however, DEC may elect to make payment to the account serving the Generating System) Additionally, the following accounts must be active accounts and will be used to determine the total 2-year Annual Average kWh to ensure the new system is in compliance with DEC tariff.

1 - DEC Member Name \_\_\_\_\_ Rate Code: \_\_\_\_\_

DEC Account No.: \_\_\_\_\_ Capacity (DEC): \_\_\_\_\_ 2 Yr Annual Average kWh: \_\_\_\_\_

2 - DEC Member Name \_\_\_\_\_ Rate Code: \_\_\_\_\_

DEC Account No.: \_\_\_\_\_ Capacity (DEC): \_\_\_\_\_ 2 Yr Annual Average kWh: \_\_\_\_\_

3 - DEC Member Name \_\_\_\_\_ Rate Code: \_\_\_\_\_

DEC Account No.: \_\_\_\_\_ Capacity (DEC): \_\_\_\_\_ 2 Yr Annual Average kWh: \_\_\_\_\_

4 - DEC Member Name \_\_\_\_\_ Rate Code: \_\_\_\_\_

DEC Account No.: \_\_\_\_\_ Capacity (DEC): \_\_\_\_\_ 2 Yr Annual Average kWh: \_\_\_\_\_

Any additional meters associated with this aggregated system must be supplied on a separate sheet in the same format.

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**Prior to installation send the completed Pages 1-3 to Delaware Electric Cooperative, Attn: Troy Dickerson, Manager of Engineering: Phone: (302) 349-3125 Email: tdickerson@decoop.com or mail to P.O. Box 600 Greenwood, DE 19950**

**Section 8, PRELIMINARY Approval to Proceed with Interconnection**

Delaware Electric Cooperative: ☒ Has Approved ☐ Has Not Approved this Preliminary Application.

Name : LPGIII Date: 6/11/2018

Signature: \_\_\_\_\_

Reason of Not Approving: \_\_\_\_\_

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**Section 9, Installation Details**

Generating System will be installed by: ☐ Owner ☒ State Licensed Electrician

Installing Electrician: James Rodrigue Firm: Alutech United Inc License No.: T1-0005686

Mailing Address: 117 Dixon St

City: Dixon St State: DE Zip Code: 19975

Telephone with Area Code: 800-233-1144

Installation Date: \_\_\_\_\_ Interconnection Date: \_\_\_\_\_

Supply certification that the generating system has been installed and inspected in compliance with the local Building/Electrical code of the municipality of \_\_\_\_\_

Signed (Inspector): \_\_\_\_\_ Date: \_\_\_\_\_  
(In lieu of signature of Inspector, a copy of the final inspection certificate may be attached)

**Section 10, Applicant Signature**

I hereby certify that, to the best of my knowledge, all the information provided in the Interconnection Application is true and correct.

Name of Applicant (Printed): David Hastings Date: 7/27/2018

Signature of Applicant: 

**Section 11, FINAL Approval or Non-Approval**

Delaware Electric Cooperative: ☒ Has Approved ☐ Has Not Approved this Interconnection Application.

Name : LPGIII Date: 8/17/18

Signature: \_\_\_\_\_

Reason of Not Approving: \_\_\_\_\_

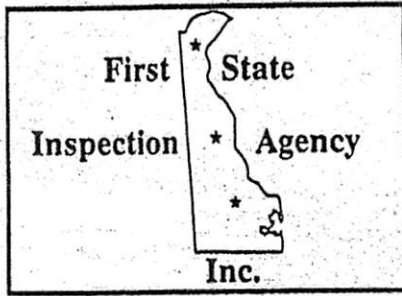
Approval to connect to the Company system indicates only that the minimum requirements for a safe proper interconnection have been satisfied. Such approval does not imply that the Generator Owner's facility meets all federal, state and local standards or regulations.

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**Section 12, Internal Checks and Notifications**

DEC has performed a site visit and approved the system:	<input type="checkbox"/> Yes
DEC has installed a Warning Label on or near the service meter:	<input type="checkbox"/> Yes
Notify Billing Dept. of Interconnected Generation:	<input type="checkbox"/> Yes
Notify Mapping Dept. of Interconnected Generation:	<input type="checkbox"/> Yes
Notify Metering Dept. of Interconnected Generation:	<input type="checkbox"/> Yes
Notify System Protection of Interconnected Generation:	<input type="checkbox"/> Yes

**At completion send Pages 5 - 6 to Delaware Electric Cooperative, Attn: Troy Dickerson, Manager of Engineering: Phone: (302) 349-3125 Email: [tdickerson@decoop.com](mailto:tdickerson@decoop.com) or mail to P.O. Box 600 Greenwood, DE 19950**



**First State Inspection Agency, Inc.**  
1001 Mattlind Way  
Milford, DE 19963

**1-800-468-7338**  
**302-422-3859**

Alutech United, Inc.  
James Rodrigue  
PO Box 329  
Selbyville, DE 19975

## CERTIFICATE

Final Inspection Date:  
Application #:  
Owner:  
Customer Job #:  
Occupancy:  
Location:

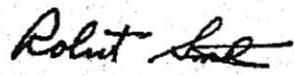
7/27/18

49852

David Hastings

49 Solar Panels, 1 Solar Inverter, 15.19 KW Array  
20331 John J William Hwy/Lewes, Sussex Co., DE

This certifies that the installation of electrical equipment listed on referenced application has been approved as meeting the requirements of the National Electric Code, utility, municipalities and Agency rules. Any modification, addition or alteration of the electrical system, after the date of final inspection, will require a new application for inspections and certifications.

  
Chief Electrical Inspector

F.S. CERT

FSIA-4